RDS 80

The universal, digital soldering station of Ersa

Order information:

Order no.	Description
0RDS80	RDS 80 soldering station, complete, with RT 80 soldering iron (0890CDJ), soldering tip 0842CD and tool holder 0A39
1RDS800000A67	RDS 80, 115 V version

CE · VDE · cUL · EMC · **PTC**

RDS 80 with RT 80 soldering iron, Ersa RESISTRONIC control system.
Soldering tip series 832 and 842, see page 47.

The Ersa **RDS 80** digital soldering station with the proven the Ersa RESISTRONIC temperature control provides **80 W** heating power. The ceramic PTC heating element (positive temperature coefficient) acts as the temperature sensor in this control system and ensures extremely fast heating thanks to the high initial output. High heating power and the large selection of soldering tips allow a very wide range of applications. The heating system with the internally heated soldering tips has a high thermal efficiency.

The redesigned ergonomic handle, the housing design and the large, digital multifunctional display do not leave much to be desired.

Besides the arbitrary temperature selection between 150 °C and 450 °C, three fixed temperatures or two fixed temperatures and one standby temperature can be programmed.

Great price-performance ratio

In addition to a power bar graph display the station also has a calibrating and power-off feature. The potential equalization socket (with an integrated 220 kΩ resistor) allows the soldering tip to be equalized with the workplace potential.

The RT 80 soldering iron has a sprayed-on, flexible PVC connecting cable. For tip exchange we recommend to use the tip exchanger 3ZT00164 (see page 36).

Technical data

Station	Rating/Voltage	Temperature	Soldering iron	Rating/Voltage	Heating time	Weight*
RDS 80	80 W/230 V, 50 – 60 Hz/24 V or 80 W/115 V, 50 – 60 Hz/24 V	150 – 450 °C	**RT 80**	105 W (280 °C)	approx. 40 s (280 °C)	approx. 130 g

*without cable

Application example

Multifunctional display